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PATENT APPLICATION TRANSMITTAL LETTER

To the Commissioner for Patents:

Transmitted herewith for filing is the patent application of Masamichi Saito, Yoshihiro Nishiyama, Yosuke Ide, Eiji Umetsu, Naoya Hasegawa and Yasuo Hayakawa for CPP Giant Magnetoresistive Head Having Antiferromagnetic Film Disposed In Rear Of Element.

Enclosed are:

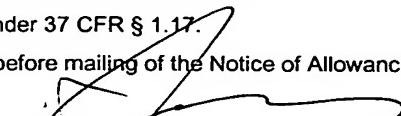
- Preliminary Amendment
- 138 pages of application (including title page and Abstract), 37 sheets of formal drawings and the following Appendices: n/a
- Declaration and Power of Attorney for Patent Application
- Assignment transmittal letter and Assignment of the invention to: Alps Electric Co., Ltd.
- Submission of Certified Copies of Priority Documents and certified copies of Japanese Application No(s). 2003-114189 filed on April 18, 2003; 2003-195159 filed on July 10, 2003 and 2004-047756 filed on February 24, 2004 filed on April 18, 2003
- Information Disclosure Statement, PTO-1449, and references A1-A12

Claims as Filed	Col. 1	Col. 2
For	No. Filed	No. Extra
Basic Fee		\$ 385
Total Claims	83 -20	63
Indep. Claims	2 -3	0
Multiple Dependent Claims Present		

*If the difference in col. 1 is less than zero, enter "0" in col. 2.

Small Entity		Other Than Small Entity	
Rate	Fee	Rate	Fee
x\$9=	\$	or	\$ 770
x\$43=	\$	or	\$ 1134
+\$145=	\$	or	\$
		or	\$ 290=
			Total \$ 1904
Total	\$		

- Please charge my Deposit Account No. 23-1925 in the amount of \$_____. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$1904 to cover the filing fee is enclosed.
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- Any additional filing fees required under 37 CFR § 1.16.
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 - Any patent application processing fees under 37 CFR § 1.17.
 - The issue fee set in 37 CFR § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR § 1.311(b).

Date 8/13/04


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